

DYNAMICALLY CONTROLLING WIRELESS LONG
DISTANCE ROUTING WHILE ROAMING

Abstract

5 The telecommunications network includes a mobile switching
center coupled to a home location register database for
accepting calls from a wireless handset, a Public Switched
Telephone Network that carries calls between distant switching
centers, and a local network for terminating calls. The system
works while a wireless subscriber is outside their home calling
10 area also known as "roaming". The system includes a method for
dynamically routing wireless inter-exchange (long distance)
calls in a telecommunications network by sending transaction
capabilities application part messages containing instructions
regarding call handling. It includes a method for sending
15 transaction capabilities application part messages containing
call setup parameters between a mobile switching center and a
service control platform and a method for billing the long
distance calls on the wireless subscriber's monthly statement.

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